

Amendments to the Specification:

Please replace the paragraph which appears on page 3, line 1 and ends on line 13, with the following rewritten paragraph:

The advantage of a direct mechanical connection, particularly a rigid connection, between the electronics case and the sensor is that after installation of the sensor, virtually no further steps are necessary on site to fix the electronics case in position. However, any vibrations caused in the sensor or generated in the process and transmitted via the sensor, such as vibrations or pressure surges in a connected pipe, can be coupled into the electronics case nearly undamped. This coupling in ~~[[of]]~~ vibrations, which is practically unavoidable particularly in the case of rigid connections, may, in turn, lead to vibrations with considerable amplitudes in the electronics case.

Please replace the paragraph which begins on page 3, line 27 and ends on page 4, line 10, with the following rewritten paragraph:

If the case where vibrations have a resonant frequency which would lie approximately in the measuring range of the sensor or even in the range of a, e.g. operationally variable, frequency of the measurement signal, a separation of the useful component in the measurement signal from any spurious components may become virtually impossible. At any rate, since the meter electronics processing the measurement signal must be controllable over a comparatively wide signal level range and be highly selective while having a comparatively wide signal bandwidth, this separation of the useful component would require a considerable amount of additional circuitry, which would significantly increase the circuit complexity of the meter electronics and thus add to the manufacturing costs of the field meter.